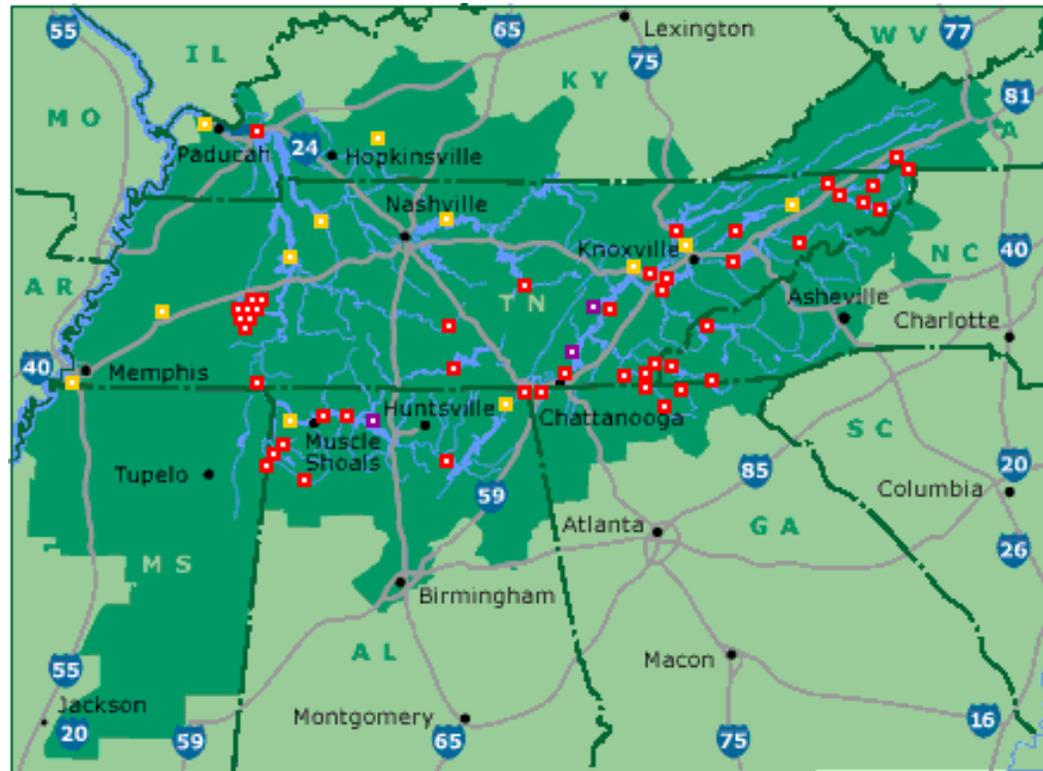




Generating Prosperity in the Tennessee Valley

TVA achieves excellence in public service for the good of the people of the Tennessee Valley by supporting sustainable economic development, supplying affordable, reliable power, and managing a thriving river system.



● Dams

● Nuclear Plants

● Fossil Plants



Facts about TVA

- TVA is America's largest public power company, TVA's power facilities include 11 fossil plants, 29 hydroelectric dams, three nuclear plants, a pumped-storage facility, and 17,000 miles of transmission lines.
- Through 158 locally owned distributors, TVA provides power to nearly 8.3 million residents in the Tennessee Valley.
- TVA operates a series of dams as an integrated system to provide multiple benefits including flood control, navigation, hydropower, recreation, water supply and water quality protection.
- All TVA functions, including natural resource stewardship, are funded through power system revenues.

Resource Stewardship Business Areas

- Plan, Manage, Acquire, and Dispose of Land
- Provide Recreation Opportunities
- Improve Shoreline Conditions
- Protect and Improve Water Resource Condition



1 Upper Holston	4 Melton Hill	7 Chickamauga-Nickajack	10 Pickwick
2 Cherokee-Douglas	5 Little Tennessee	8 Guntersville	11 Kentucky
3 Clinch-Powell	6 Hiwassee	9 Wheeler	

Plan, Manage, Acquire, and Dispose of Land

- 293,000 acres allocated to resource conservation and protection, economic development, and recreation.
- Archaeological/historical resources; forest & wildlife diversity; wetlands and habitat protection; recreational opportunities, economic development.
- Acquire land and landrights.



Provide Recreational Opportunities

- Commercial and public recreation
- Private sector partnerships
- Hunting, fishing, and boating opportunities



- 11,000 miles of shoreline
- 38% of shoreline has residential access
- Review & approval of waterfront facilities
- Implement shoreline management policy
 - “Maintain and Gain”
 - Buffer zones





Improve Water Resource Condition

- Assess watershed health – streams/reservoirs
- Build local coalitions
- Partner on watershed improvement projects
- Produce measurable improvements in watershed condition



- Environmental Management System
- Regional Resource Stewardship Council
- Reservoir Operations Study



- **TVA has revamped its Environmental Management System (EMS) to align with ISO 14001.**
- **Key elements**
 - **Actionable corporate environmental policy**
 - **Defined roles and responsibilities of all TVA employees**
 - **Aspect / Impact analysis and corporate environmental objectives and targets**
 - **Tracking and reporting to management and stakeholders**
 - **Environmental excellence recognition**

- **Results:**

- Reduced 457 environmental training courses to 84 through standardization saving \$4 million per year
- Saved \$5.7 million and \$3 million annually by standardizing items like absorbents, adhesives, hand cleaner...
- Reduced internal audit findings an additional 50%
- Reduced internal repeat audit findings an additional 92%
- Reduced Reportable Environmental Events an additional 35%
- Lowest SO₂ and NO_x emissions in 27 years



Regional Resource Stewardship Council

- Established in March 2000 under the guidelines of the Federal Advisory Committee Act (FACA).
- Members represent public and private stakeholders who benefit from TVA's management of the river system. Nominated by the governors of the seven states in the TVA power service area, the distributors of TVA power, and TVA's directly served customers. Representatives of other interested groups are chosen by TVA.

- Recommendations to date have involved:
 - Management of Public Lands
 - Management of Aquatic Plants
 - Navigation Responsibilities
 - Water Quality Monitoring, Watershed Improvement Process, and Reservoir Releases Improvement
 - Transmission Line Rights-of-Way
 - Improving Biodiversity
 - River System Management

- An outgrowth of the Regional Stewardship Council recommendation on River System management.
- A two-year project by TVA to evaluate its management of the integrated Tennessee River system and see if changes in operating policies would provide greater overall value to the public.

- Involved the public in defining scope of the study
- Developed preliminary alternatives
- Identified a range of alternatives for detailed analysis
- Alternatives contain different combinations of operational changes that re-balance the multiple benefits produced



Welcome to Chattanooga!

May 16-20, 2004:

National Water Monitoring Conference
Chattanooga, Tennessee

